

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022963**Date Inspected:** 22-Apr-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 730**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1600**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** N / A**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** S.A.S. components**Summary of Items Observed:**

The Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

The QAI reviewed contract related documents including the submitted and approved Welding Quality Control Plan (WQCP) and approved revisions to the WQCP. The QAI continued the review of re-flashed documents for welding report submittals #46, #48, #49, #50 & #58. The QAI noted that the additional reports have been submitted to address category A comments from the original submittals. The submittal reviews were in progress at the end of the shift.

The QAI met with the contractors' Quality Control Manager (QCM) Chuck Kanapicki and the Quality Control Inspector (QCI) William Norris. The QAI discussed the requirements of the welding reports and what appears to be repairs documented with no formal acceptance being reported. The QAI showed the QCM and QCI an example of these reports and there was a general agreement that additional information will be provided to satisfy the contract requirements. The QAI noted that there are other occurrences where repairs can be traced back but do not appear to have a formal acceptance. The QCI remarked that a review of recent reports would be performed before new reports are submitted. The QAI was also informed that 4 of the re-flashed submittals under review are missing the Welding Quality Control Manager's stamp and signature and that the reports will be re-flashed after they have been corrected.

**Summary of Conversations:**

The QAI relayed the status of document reviews to the QAI Lead Bill Levell. The QAI met with Structural Materials Representative (SMR) Pat Lowry and SMR Nick Hvass. The QAI was informed of the contractor's

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intent to initialize a database for documenting the welding reports for job site welding. The QAI was requested to analyze the current database in use by sub-contractor ZPMC and to work with SMR Nick Hvass to determine feasibility with the condition of the contractors current document control. Except as described above, there were no other notable conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Croff, Scott	Quality Assurance Inspector
<b>Reviewed By:</b>	Levell, Bill	QA Reviewer

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